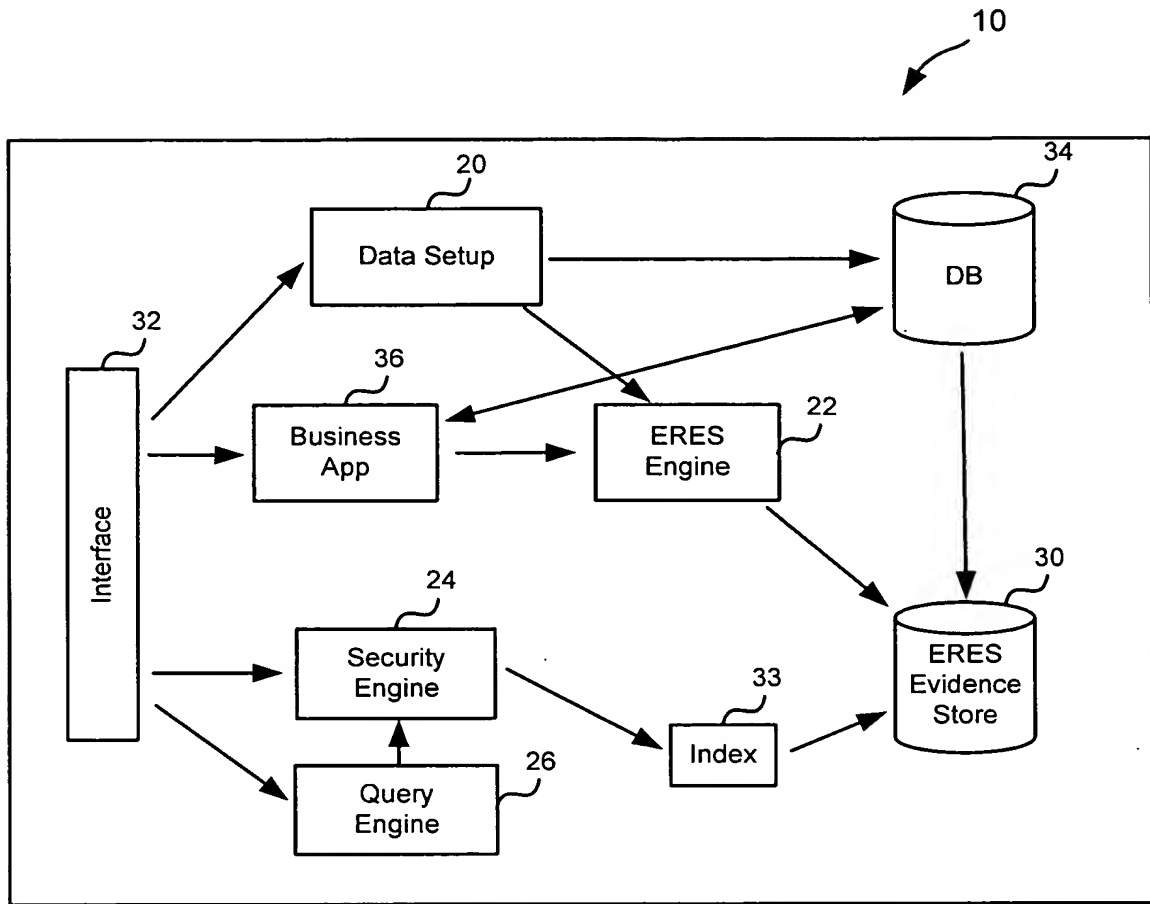


**Fig. 1A**



**Fig. 1B**

30a

Name	Datatype	Length	Mandatory	Comments
DOCUMENT_ID	NUMBER		Yes	Unique document id
PSIG_XML	CLOB	(4000)		XML document
PSIG_DOCUMENT	CLOB	(4000)		Electronic record as seen by user
PSIG_DOCUMENTFORMAT	VARCHAR2	(100)		Format of the Document
PSIG_TIMESTAMP	DATE			Timestamp when the document was requested
PSIG_TIMEZONE	VARCHAR2	(240)		Time Zone the document was initiated
DOCUMENT_REQUESTER	VARCHAR2	(240)		Document requester
PSIG_STATUS	VARCHAR2	(32)		Status of the document (ERROR, PENDING, COMPLETE)
PSIG_SOURCE	VARCHAR2	(32)		Source of the Document
EVENT_NAME	VARCHAR2	(80)		Event associated to the document
EVENT_KEY	VARCHAR2	(240)		Event instance identifier
PRINT_COUNT	NUMBER			Number of time document requested from printing
CREATION_DATE	DATE			WHO Column
CREATED_BY	NUMBER			WHO Column
LAST_UPDATE_DATE	DATE			WHO Column
LAST_UPDATED_BY	NUMBER			WHO Column
LAST_UPDATE_LOGIN	NUMBER			WHO Column

30b

Name	Datatype	Length	Mandatory	Comments
SIGNATURE_ID	NUMBER			Signature ID
DOCUMENT_ID	NUMBER			Document Id Refers EDR_PSIG_DOCUMENTS
EVIDENCE_STORE_ID	NUMBER			Evidence Store Id if the signature are present in Server Tech Storage
USER_NAME	VARCHAR2	(100)		User name who signed the Document
USER_RESPONSE	VARCHAR2	(100)		User Response
SIGNATURE_TIMESTAMP	DATE			Signed Time and Date
SIGNATURE_TIMEZONE	VARCHAR2	(240)		Signature Time Zone
SIGNATURE_STATUS	VARCHAR2	(32)		Signature Status (PENDING, COMPLETE, ERROR)
CREATION_DATE	DATE			WHO Columns
CREATED_BY	NUMBER			WHO Column
LAST_UPDATE_DATE	DATE			WHO Column
LAST_UPDATED_BY	NUMBER			WHO Column
LAST_UPDATE_LOGIN	NUMBER			WHO Column

**Fig. 2**

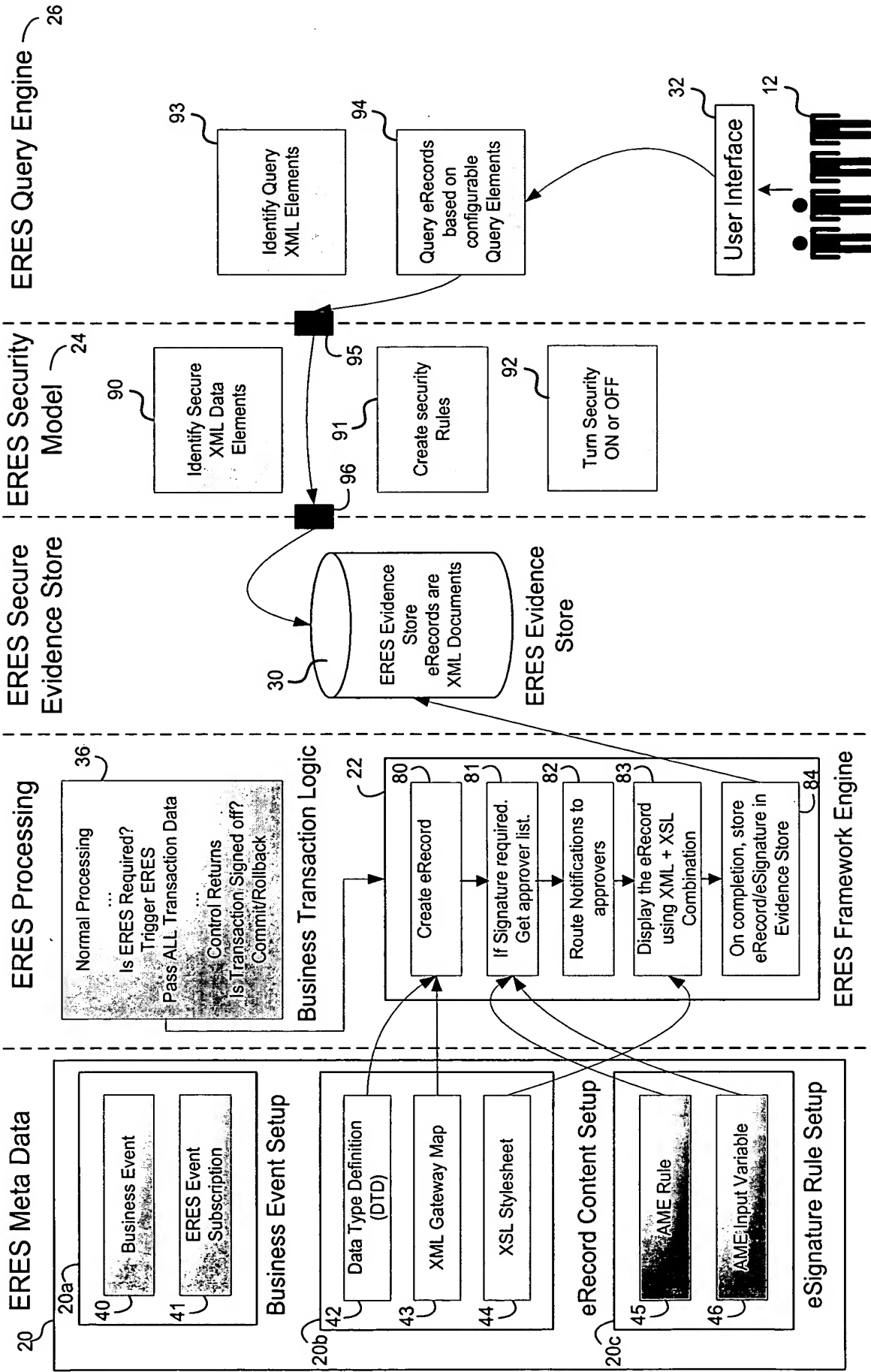


Fig. 3

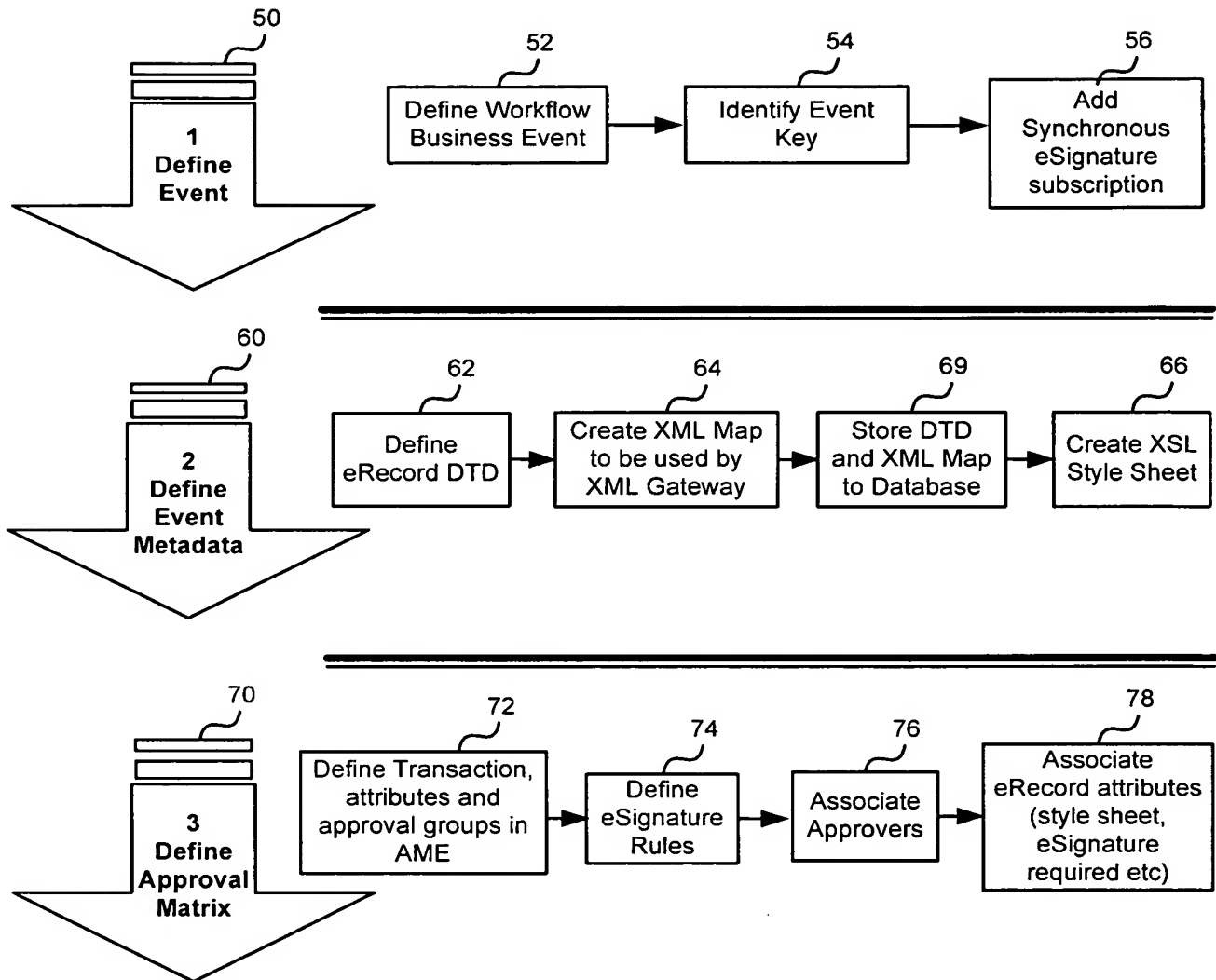


Fig. 4

**80** (points to the top right corner of the form)

**81** (points to the Name field)

**82** (points to the Display Name field)

**83** (points to the Description field)

**84** (points to the Status dropdown menu)

**85** (points to the Owner Tag field)

**86** (points to the Submit button)

**Form Content:**

**Edit Event** [?] [icon]

**ORACLE**

Name: oracle.apps.gme.Batch.close

Display Name: Process Batch Close Event

Description: This Event is raised when a process batch is closed

Status: Enabled

Generate Function:

Owner Name: Process Execution

Owner Tag: GME

Submit Cancel

**Fig. 5**

**90** (points to the top right corner of the table)

Rule	Attribute <b>93</b>	Approver(s) <b>94</b>
<b>91</b> If PLANT = "Plant 1" And PRODUCT = "Cyanide"	eRecord = Yes eSignature = Yes eRecord Style Sheet = StyleSheet12.X51	James Dunn and Mark Arthur
<b>92</b> If PLANT = "Plant 1"	eRecord = Yes eSignature = No eRecord Style Sheet = NULL	David Anderson

**Fig. 6**

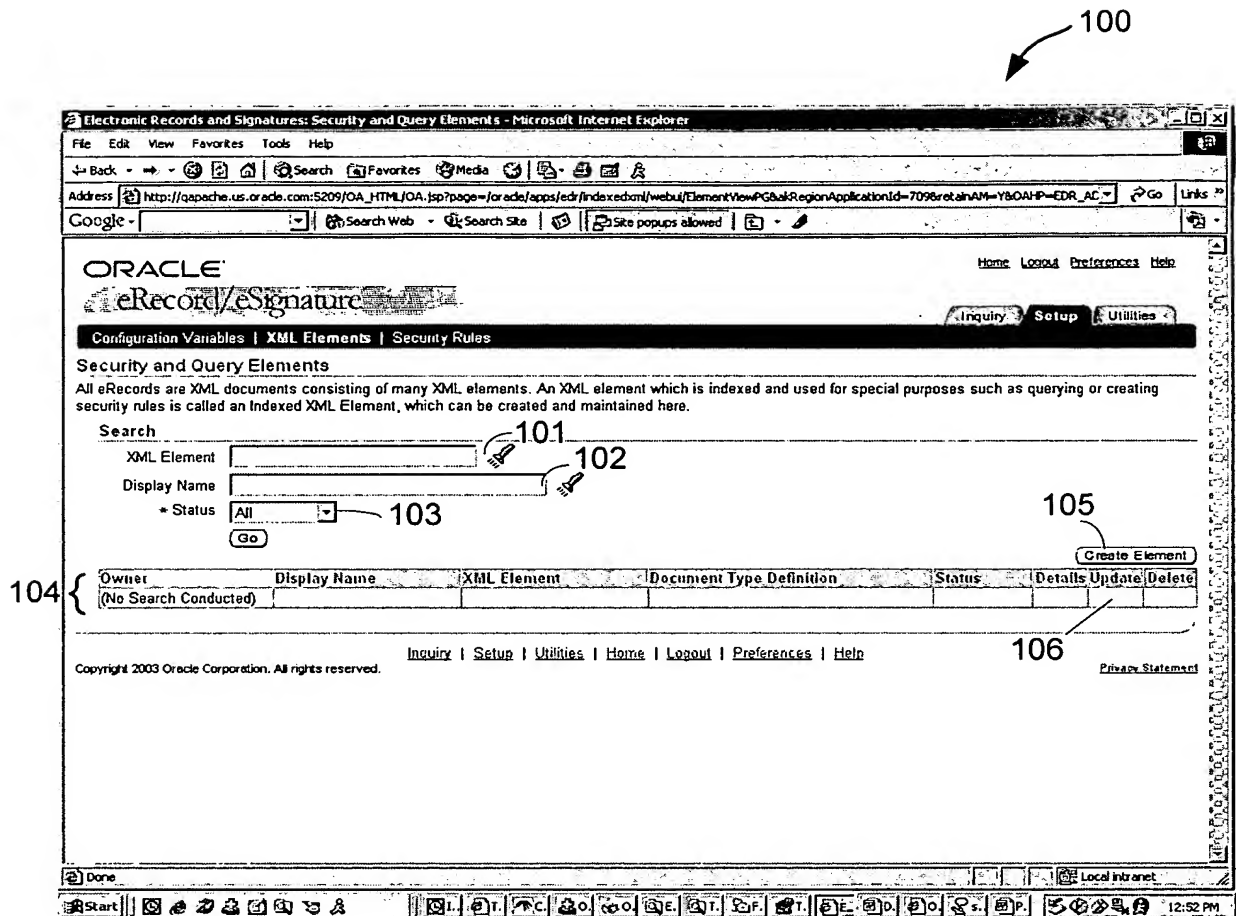


Fig. 7

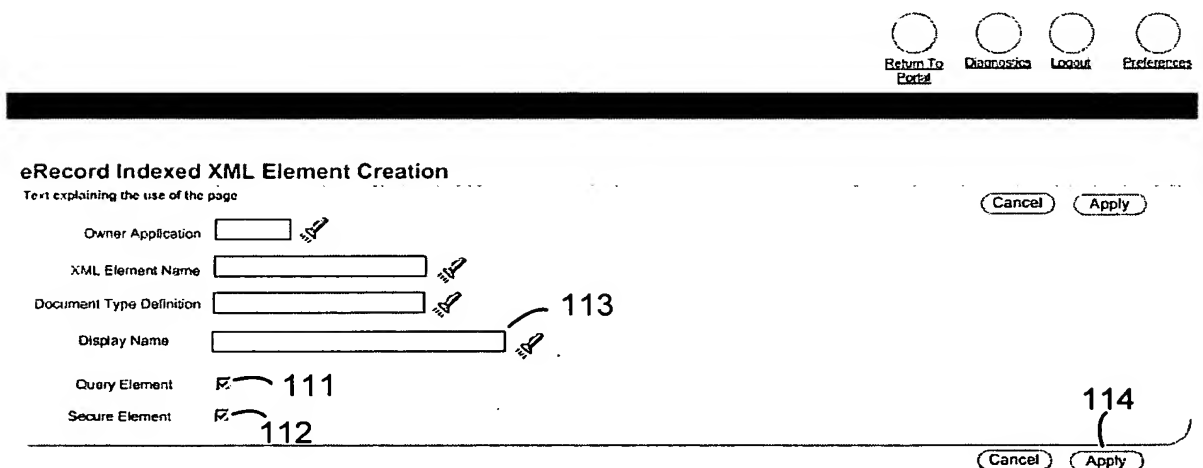


Fig. 8

33a

Name	Null?	Type	Description
ELEMENT_ID	NOT NULL	NUMBER	Surrogate Primary Key.
XML_ELEMENT	NOT NULL	VARCHAR2(30)	XML element identified as being searchable
DTD_ROOT_ELEMENT		VARCHAR2(30)	Root element of the XML
APPLICATION_ID	NOT NULL	NUMBER	Application ID of the application owning the query element.
INDEX_SECTION_NAME	NOT NULL	VARCHAR2(30)	Name of the section created in the index for the query element
INDEX_TAG	NOT NULL	VARCHAR2(64)	Tag used to create the section in the index. Unique Constraint.
STATUS	NOT NULL	CHAR(1)	Status of the query element. It can be I(ndexed) or N(ot Indexed).
CREATED_BY	NOT NULL	NUMBER(15)	Standard WHO column
CREATION_DATE	NOT NULL	DATE	Standard WHO column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard WHO column
LAST_UPDATE_LOGIN		NUMBER(15)	Standard WHO column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard WHO column

33b

Name	Null?	Type	Description
ELEMENT_ID	NOT NULL	NUMBER	Partial Primary key.
LANGUAGE	NOT NULL	VARCHAR2(4)	Partial Primary key. Language used for translatable columns
SOURCE_LANG		VARCHAR2(4)	Source language
DISPLAY_NAME	NOT NULL	VARCHAR2(100)	Display name of the query element. This would be visible to end users.
DESCRIPTION		VARCHAR2(100)	Description of the query element.
CREATED_BY	NOT NULL	NUMBER(15)	Standard WHO column
CREATION_DATE	NOT NULL	DATE	Standard WHO column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard WHO column
LAST_UPDATE_LOGIN		NUMBER(15)	Standard WHO column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard WHO column

33c

Name	Null?	Type	Description
USAGE_ID	NOT NULL	NUMBER	Surrogate primary key
ELEMENT_ID	NOT NULL	NUMBER	XML element used in creating the security rule.
ELEMENT_USAGE	NOT NULL	CHAR(1)	The usage of the XML element. It can be Q(uey) or S(ecure)
CREATED_BY	NOT NULL	NUMBER(15)	Standard WHO column
CREATION_DATE	NOT NULL	DATE	Standard WHO column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard WHO column
LAST_UPDATE_LOGIN		NUMBER(15)	Standard WHO column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard WHO column

Fig. 9



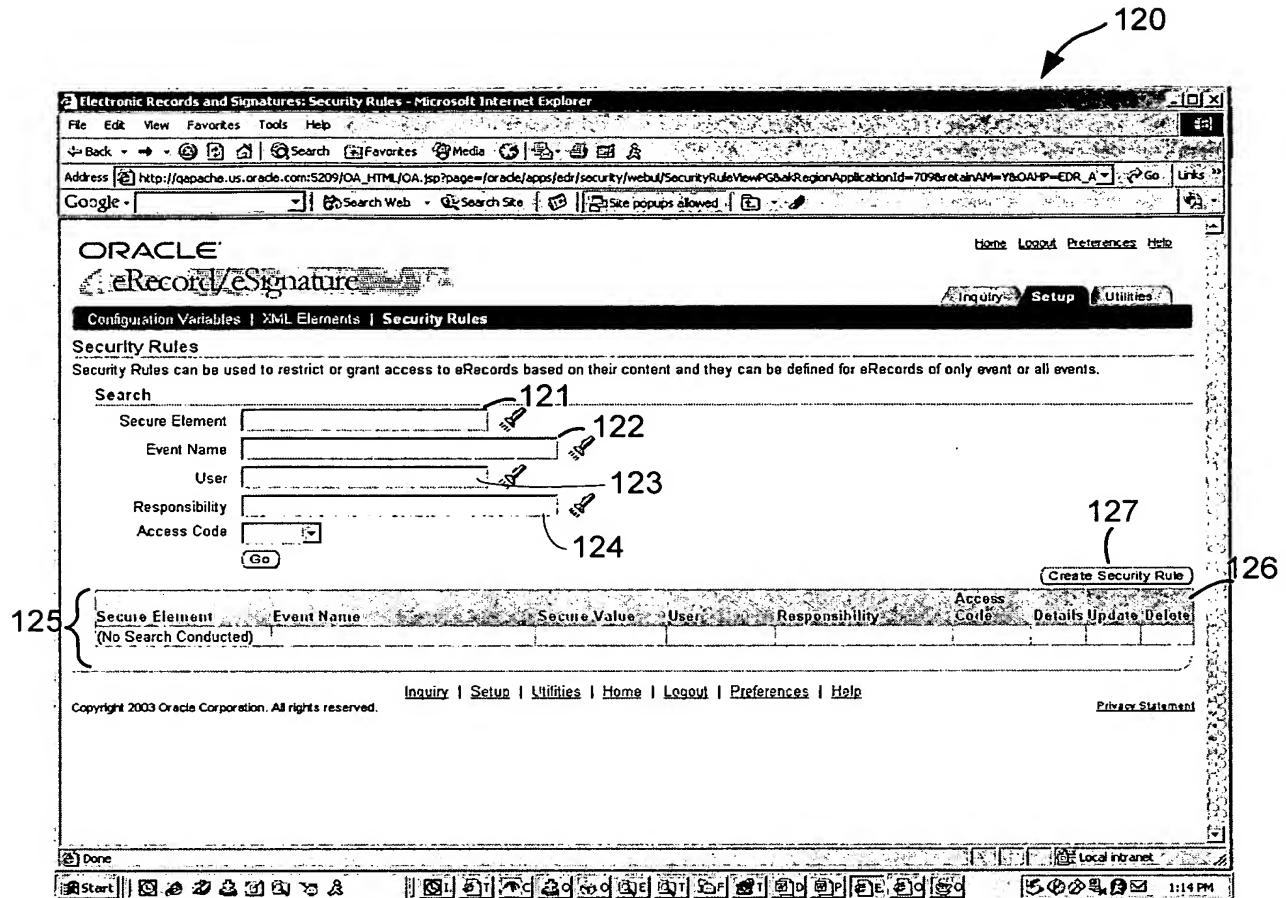


Fig. 10

Name	Null?	Type	Description
RULE_ID	NOT NULL	NUMBER	Surrogate primary key
ELEMENT_ID	NOT NULL	NUMBER	XML element used in creating the security rule.
EVENT_NAME		VARCHAR2(240)	Business event name used in creating the security rule.
SECURE_VALUE	NOT NULL	VARCHAR2(100)	Value secured by the security rule
USER_ID		NUMBER(15)	User ID of the APPS user for whom security is created
RESPONSIBILITY_ID		NUMBER(15)	Responsibility ID of the APPS responsibility for which security is created
ACCESS_CODE	NOT NULL	CHAR(1)	Access code can be G(rant) or R(estrict)
START_DATE	NOT NULL	SYSDATE	Start date for the rule
END_DATE		SYSDATE	End date for the rule
CREATED_BY	NOT NULL	NUMBER(15)	Standard WHO column
CREATION_DATE	NOT NULL	DATE	Standard WHO column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard WHO column
LAST_UPDATE_LOGIN		NUMBER(15)	Standard WHO column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard WHO column

Fig. 11

130

[Return To Portal](#) [Diagnostics](#) [Logout](#) [Preferences](#)

---

### eRecord Security Rule Creation

Text explaining the use of the page

Secure Element  131

Event Name  132

Secure Value  133

User  134

Responsibility  135

Access Code  136  
☐ Grant ☐ Restrict

Start Date  137

End Date  138

[Cancel](#) [Apply](#)

---

[Cancel](#) [Apply](#)

Fig. 12

140

### Search Documents

Search 143

144

Event Name  145

From Date  146

To Date  147

Signer  148

149

---

Events 155

Event	Identifier	Timestamp	Timezone	Print

154

[Print](#)

Fig. 13

160

The screenshot shows a web browser window titled "Search Documents". Inside, there is a "Search" section with two tabs: "Simple" and "Advanced". The "Advanced" tab is selected, showing a search criteria table with columns "Element", "Condition", and "Value". Below this table is a "Logical Operator" dropdown menu set to "And". At the bottom of the search section are "Find", "Clear", and "Cancel" buttons. Below the search section is a table of search results with columns: "Event", "Identifier", "Timestamp", "Timezone", and "Print". The table contains several rows of data. A "Print" button is located at the bottom right of the results table.

161 162 163 164

166

165

Print

Fig. 14

The screenshot shows a web browser window titled "Electronic Records and Signatures: Create Element - Microsoft Internet Explorer". The address bar shows a URL from "http://qspache.us.oracle.com". The page has a navigation bar with links: "Home", "Logout", "Preferences", "Help", "Inquiry", "Setup", and "Utilities". Below the navigation bar is a breadcrumb trail: "Configuration Variables | XML Elements | Security Rules" and "Setup > XML Elements > Create Element". The main section is titled "Create Element" and contains a form for defining a new element. The form includes fields for "Owner Application" (GMI), "XML Element" (ITEM\_NO), "Document Type Definition" (OPM\_ITEMS\_001), and "Display Name" (Item). There is also a "Description" field. At the bottom of the form are checkboxes for "Query Element" and "Secure Element", both of which are checked. "Cancel" and "Apply" buttons are located at the bottom right of the form. The footer of the page includes "Copyright 2003 Oracle Corporation. All rights reserved." and a "Privacy Statement" link.

ORACLE<sup>®</sup>  
 eRecord/eSignature

Home Logout Preferences Help

Inquiry Setup Utilities

Configuration Variables | XML Elements | Security Rules

Setup > XML Elements > Create Element

Create Element

Cancel Apply

An Element can be defined for all eRecords or those conforming to a specific document type definition. It can be used as a Query Element to search eRecords or as a Secure Element to create security rules for eRecords. It is owned by an Oracle Applications Module.

- Indicates required field
- Owner Application: GMI
- XML Element: ITEM\_NO
- Document Type Definition: OPM\_ITEMS\_001
- Display Name: Item
- Description:
- ☒ Query Element
- ☒ Secure Element

Cancel Apply

Inquiry | Setup | Utilities | Home | Logout | Preferences | Help

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Local intranet 12:42 PM

Fig. 15

Electronic Records and Signatures: Create Element - Microsoft Internet Explorer

Address: http://qaoracle.us.oracle.com:5209/OA\_HTML/OA.jsp?page=/oracle/apps/edr/indexedxml/webui/ElementViewPG&akRegionApplicationId=70960&P=EDR\_ADMINISTRATOR

ORACLE eRecord/eSignature

Configuration Variables | XML Elements | Security Rules

Setup XML Elements > Create Element

Create Element

An Element can be defined for all eRecords or those conforming to a specific document type definition. It can be used as a Query Element to search eRecords or as a Secure Element to create security rules for eRecords. It is owned by an Oracle Applications Module.

- Indicates required field

\* Owner Application: GMI

\* XML Element: ITEM\_NO

Document Type Definition: OPM\_LOTS\_001

\* Display Name: Lot Item

Description:

☒ Query Element

☒ Secure Element

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Fig. 16

Electronic Records and Signatures: Security and Query Elements - Microsoft Internet Explorer

Address: http://qaoracle.us.oracle.com:5209/OA\_HTML/OA.jsp?page=/oracle/apps/edr/indexedxml/webui/ElementViewPG&akRegionApplicationId=70960&P=EDR\_ADMINISTRATOR

ORACLE eRecord/eSignature

Configuration Variables | XML Elements | Security Rules

Security and Query Elements

All eRecords are XML documents consisting of many XML elements. An XML element which is indexed and used for special purposes such as querying or creating security rules is called an Indexed XML Element, which can be created and maintained here.

Search

XML Element: item\_no

Display Name: Lot Item

\* Status: All

Go

Create Element

Owner	Display Name	XML Element	Document Type Definition	Status	Details	Update	Delete
GMI	Item	ITEM_NO	OPM_ITEMS_001	Not Indexed			
GMI	Lot Item	ITEM_NO	OPM_LOTS_001	Not Indexed			

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Fig. 17

Oracle Electronic Records and Signatures: Evidence Store - Microsoft Internet Explorer

Address: http://apache.us.oracle.com:5209/OA\_HTML/OA.jsp?alRegionCode=EDR\_ERQ\_FRST\_PAGE&alRegionApplicationId=709&language\_code=US&rf\_ticket=ZG88C9D1FCA46CB85C6E

Signer Name:

Transaction Status:

Date From:  (example: 31-Dec-2000)

Date To:

▼ Hide More Search Options

- Indicates required field
- Specify additional search criteria and values to filter the eRecords displayed in the results table.
- Show eRecords when ☒ All search criterion are met

Criterion	Value
Lot Item	174 - 173 4101 172

Time Zone: America/Los Angeles

Select eRecord(s) and ...

Select All | Select None

Select Event Name	eRecord ID	Identifier	Identifier Value	Event Date	Status	Related eRecords
<input type="checkbox"/> GMIERES Lot Creation	25	Item Number - Lot Number - Sublot	4101-SKARIMIS-1-Number	05-Aug-2003 06:42:35	Complete	
<input type="checkbox"/> GMIERES Lot Creation	23	Item Number - Lot Number - Sublot	4101-SKARIMIS-1-Number	05-Aug-2003 06:41:55	Rejected	
<input type="checkbox"/> GMIERES Lot Creation	21	Item Number - Lot Number - Sublot	4101-SKARIMIS-1-Number	05-Aug-2003 06:40:06	Complete	

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Home | Logout | Preferences | Help

Privacy Statement

Fig. 18

Oracle Electronic Records and Signatures: Evidence Store - Microsoft Internet Explorer

Address: http://apache.us.oracle.com:5209/OA\_HTML/OA.jsp?alRegionCode=EDR\_ERQ\_FRST\_PAGE&alRegionApplicationId=709&language\_code=US&rf\_ticket=ZG899FC67F0B6D1B392F

Search

Event Name:

eRecord ID:

Signer Name:

Transaction Status:

Date From:  (example: 31-Dec-2000)

Date To:

▼ Hide More Search Options

- Indicates required field
- Specify additional search criteria and values to filter the eRecords displayed in the results table.
- Show eRecords when ☒ All search criterion are met

Criterion	Value
Item	4101

Time Zone: America/Los Angeles

Select eRecord(s) and ...

Select All | Select None

Select Event Name	eRecord ID	Identifier	Identifier Value	Event Date	Status	Related eRecords
<input type="checkbox"/> GMIERES Item Creation	335	Item Number	CJ-TEST-2	29-Aug-2003 13:07:30	Complete	

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Home | Logout | Preferences | Help

Privacy Statement

Fig. 19

Electronic Records and Signatures: Security Rule Definition - Microsoft Internet Explorer

Oracle eRecord/eSignature

Home Logout Preferences Help

Inquiry Setup Utilities

Configuration Variables XML Elements Security Rules

Setup Security Rules Create Security Rule

Create Security Rule

Timazone

Select a Secure Element and specify the value for the element that needs to be secured. Also, select a User or Responsibility for which the rule is being created and Grant or Restrict access. A security rule can be created for all eRecords or only those created for a specific business event.

Indicates required field

Secure Element Item

Event Name

Secure Value 4101

User CSINGH

Responsibility

Access Code Restrict

Start Date 23-Sep-2003 16:15:50  
(example: 31-Dec-2000 20:45:00)

End Date

Cancel Apply

Inquiry Setup Utilities Home Logout Preferences Help

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Privacy Statement

Fig. 20

Oracle Electronic Records and Signatures: Evidence Store - Microsoft Internet Explorer

Oracle eRecord/eSignature

Home Logout Preferences Help

Evidence Store

The Evidence Store stores all the Electronic Records (eRecords) created for an organization. Each eRecord contains business transaction details, approver information and in some cases approver signatures.

Search

Event Name

eRecord ID

Signer Name

Transaction Status Show All

Date From

Date To

Hide More Search Options

Indicates required field

Show eRecords when All search criterion are met

Criterion	Value
Item	4101

Search Clear Add

Select Event Name	eRecord ID	Identifier	Identifier Value	Event Date	Status	Related eRecords
(No Search Conducted)						

Fig. 21